



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/883,986	06/20/2001	Masanori Umeda	32011-173213	5656

7590 12/16/2004

VENABLE

Post Office Box 34385

Washington, DC 20043-9998

EXAMINER

AL AUBAIDI, RASHA S

ART UNIT

PAPER NUMBER

2642

DATE MAILED: 12/16/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

**Application No.**

09/883,986

**Applicant(s)**

UMEDA, MASANORI

**Examiner**

Rasha S AL-Aubaidi

**Art Unit**

2642

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 20 June 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 20 June 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
- 1) ☒ Certified copies of the priority documents have been received.
  - 2) ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - 3) ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)  | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date <u>06/20/2001</u> . | 6) <input type="checkbox"/> Other: _____  |

## DETAILED ACTION

### ***Claim Rejections - 35 USC § 103***

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hendrey et al (US PAT # 6,539,232) in view of Fujino et al (US PAT # 6,621,894).

Regarding claim 1, Hendrey teaches a call connection management equipment for a wireless mobile communication network (see col. 2, lines 38-44), comprising: connection setting means for generating call connection information to perform call connection between an interface and another interface on a wire communication system (connection setting means read on connection server 108, see col. 5, lines 46-52 and col. 2, lines 60-67. Also, having the interface is obvious); connection registration means for storing said call connection information (this is done in server 105, see col. 8, lines 17-20); history storage means for storing call connection history (see col. 16, lines 24-32); judgment means for comparing said call connection history with a predetermined condition (this may read on the matchmaker server 107 and its components, see col. 9, lines 16-26 and col. 10, lines 4-10); and connection establishment means for establishing call connection between said interface and said other interface

Art Unit: 2642

based on said call connection information stored in said connection registration means when said call connection history satisfies the predetermined condition (this basically reads on establishing the call when the matchmaking found).

Hendery does not exactly teach establishing call connection between said interface and said other interface based on connection information newly generated by said connection setting means when said call connection history does not satisfy the predetermined condition.

However, Fujino teaches a caller ID detection circuit detects a caller ID that is given at the time of a call reception by a caller ID notification service that is provided by a telephone company. If reception history information having the same caller ID as the detected caller ID is stored in a reception history memory, the number of times of call reception in the reception history information is incremented by one. If no reception history information having the same caller ID as the detected caller ID is stored in the reception history memory, new reception history information having the detected caller ID is generated and additionally stored in the reception history memory (see abstract).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have a call connection established based on a new line of history information, as taught by Fujino, into the Hendrey system in

Art Unit: 2642

order to enhance the probability of making the call connection successfully in the event of call connection failure based on the previous history information.

Regarding claims 2-3 and 5-6, Hendrey teaches the interface is a wireless base station and the other interface is another wireless base station (this reads on wireless links 110, see telecommunication links 111 within system 120, i.e. wireless, col. 5, lines 36-40).

Claim 4 recites "other interface is a gateway switch for connecting said wireless mobile communication network and another communication network". Hendrey does not exactly teach the call connection established between wireless mobile communication network and another communication network. However, setting up a call connection between two different networks is obvious and well known in the art. Therefore, having a gateway to communicate between those different networks is obvious.

Claim 7 is rejected for the same reasons as discussed above with respect to claim 4.

Claim 8 recites "said interface and said other interface are ATM interfaces". Hendrey does not exactly teach the interfaces are an ATM interfaces. However, examiner takes an official notice that ATM interfaces are a common kind of interfaces known in the art.

Regarding claim 9, Fujino teaches deleting the registration of said connection information when said call connection history is judged as not satisfying the predetermined condition (Fujino teaches that user may delete the information if desired, see col. 6, lines 45-57).

Claims 10-15 recite "said connection registration means deletes the registration of said connection information when said interface to accommodate the calling terminal is switched or a wireless base station to accommodate the calling terminal is switched". This basically reads deleting or changing the current information in the event of unsuccessful call connection scenarios when the device is turned off or unable to locate or reach a specified base station for example. In both scenarios this is logical because there is no need to exhaust the network by trying to make another call attempt to a non- available destination. Generally, when any component or device is switched off information history will be erased since this information has to be updated and replaces with a current status/data of information.

Regarding claim 16, Fujino teaches said history storage means stores said call connection history for each combination of a calling terminal and a called terminal (see col. 5, lines 44-50, see Fig. 5).

Regarding claim 17, Fujino teaches said call connection history is a

Art Unit: 2642

connection count between said calling terminal and said called terminal (see Fig. 5 also, col. 2, lines 39-48).

Claim 18 is rejected for the same reasons as discussed above with respect to claim 17.

Regarding claim 19, Hendrey teaches said call connection history is a type of service used for communication between said calling terminal and said called terminal (this reads on matchmaker service, see col. 9, lines 11-15).

Regarding claim 20, Hendrey teaches said call connection history is a distance between said calling terminal and said called terminal (see col. 9, lines 31-37).

### ***Conclusion***

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Owen et al (US PAT # 6,611,501) teaches a management system for setting up connections in a communication network (see abstract).

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Rasha S AL-Aubaidi whose telephone

Art Unit: 2642

number is (703) 605-5145. The examiner can normally be reached on Monday-Friday from 8:30 am to 5:30 pm.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ahmad F Matar, can be reached on 305-4731. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Examiner

Rasha S. Al-Aubaidi

12/11/2004

  
AHMAD F. MATAR  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2700